

## Bonding Screencast Project

Description: In this project you will choose a compound and study it to find out:

- 1.) Is it ionically or covalently bonded?
  - 2.) What are its common uses?
  - 3.) Which atoms in the compound are metals? Which are non-metals?
  - 4.) How do the atoms come together to bond sharing or giving away their electrons. You will use electron dot structures to show this. If it is ionically bonded which ion is the cation and which is the anion? Remember, covalently bonded compounds DO NOT form ions.
- Your research should be provided on a one page document with appropriate MLA citations.
  - Next, you will create a 2:30 sec. screencast showing how the atoms come together to ionically bond or covalently bond.
  - Read the rubric so that you know what is expected of you and the final product.
  - Name your screencast : bonding(firstname) and save it. E-mail it to Ms. Todd.
  - You will be graded on the research notes you take and hand in with MLA citations as well as the screencast. The screen cast will be graded according to the rubric.

Compounds:

LiF	Br <sub>2</sub>
CO	CaCl <sub>2</sub>
LiCl	CaF <sub>2</sub>
CO <sub>2</sub>	CH <sub>4</sub>
AlCl <sub>3</sub>	Cl <sub>2</sub>
NH <sub>3</sub>	SrCl <sub>2</sub>
SiO <sub>2</sub>	O <sub>2</sub>
BaCl	MgCl <sub>2</sub>
CaO	H <sub>2</sub> O
CaBr <sub>2</sub>	N <sub>2</sub>

## Screencast Rubric

	Criteria					Points
	5	4	3	2	1	
<b>Content Knowledge</b>	<ul style="list-style-type: none"> <li>-Establishes a clear purpose and consistently maintains focus</li> <li>-Selects quality content which includes important vocabulary</li> <li>-Arranges presentation using own words</li> <li>-Meets the criteria established on the project guidelines</li> </ul>	<ul style="list-style-type: none"> <li>-Establishes a purpose and reasonably maintains focus</li> <li>-Selects adequate content and includes most of the important vocabulary</li> <li>-Arranges presentation using own words</li> <li>-For the most part, written with the audience in mind</li> <li>-Meets the criteria established on the project guidelines with few exceptions</li> </ul>	<ul style="list-style-type: none"> <li>-Purpose is sometimes clear but diverts at times.</li> <li>-Content is adequate.</li> <li>-Presentations contains some words that were taken directly from sources</li> <li>-Audience was addressed adequately but improvement possible.</li> <li>-Meets the criteria adequately but has a few missing components.</li> </ul>	<ul style="list-style-type: none"> <li>-Difficult to interpret the focus</li> <li>-Should include more content</li> <li>-Nice use of vocabulary</li> <li>-Some wording is not in his/her own words</li> <li>-Questions are well written although they need to be more spontaneous</li> <li>-Lacks numerous criteria established on the project guidelines with few exceptions</li> </ul>	<ul style="list-style-type: none"> <li>-Clarify your purpose and/or focus</li> <li>-Check to see that you have enough content</li> <li>-Fact check your content</li> <li>-Review the important vocabulary</li> <li>-Rewrite presentation so it is in your own words</li> <li>-Content not appropriate for audience</li> <li>-Does not follow project guidelines</li> </ul>	_____
<b>Creativity</b>	<ul style="list-style-type: none"> <li>-Creative with his/her screencast and it supports his/her content in a way that helps facilitate interest in the listener.</li> </ul>	<ul style="list-style-type: none"> <li>-Has some creativity within the screencast, and it does not take away from the "over all" message.</li> </ul>	<ul style="list-style-type: none"> <li>-Is adequately creative but it does not add to the content.</li> </ul>	<ul style="list-style-type: none"> <li>-Student shows some creativity but it detracts from the screencast.</li> </ul>	<ul style="list-style-type: none"> <li>-Student has little creativity incorporated into his/her screencast.</li> </ul>	_____
<b>Delivery</b>	<ul style="list-style-type: none"> <li>-Extremely well-rehearsed, smooth delivery in a conversational style</li> <li>-Highly effective enunciation, expression, and rhythm keep the audience hooked</li> <li>-Consistently uses correct grammar</li> <li>-Volume of voice enhances presentation</li> <li>- Your writing and drawing are very easy to read and understand.</li> </ul>	<ul style="list-style-type: none"> <li>-Well rehearsed and almost always smooth delivery</li> <li>-Effective enunciation, expression, and rhythm keep the audience interested</li> <li>-Nearly always uses correct grammar</li> <li>-Volume of voice is sufficient</li> <li>- Your writing and drawing are easy to read and understand.</li> </ul>	<ul style="list-style-type: none"> <li>-Adequate rehearsal but sometimes mechanic</li> <li>-Adequate enunciation, expression, and rhythm keep the audience interested</li> <li>-Grammar is adequate</li> <li>-Voice volume rises and falls.</li> <li>- Your writing and drawing are fairly easy to read and understand.</li> </ul>	<ul style="list-style-type: none"> <li>-Requires more practice</li> <li>-Presentation doesn't sound natural. Work on making it more spontaneous.</li> <li>-Some incorrect grammar with most of it being correct.</li> <li>-Voice volume rises and falls.</li> <li>- Work on your writing and drawing.</li> </ul>	<ul style="list-style-type: none"> <li>-Practice your presentation until it doesn't sound like you are reading</li> <li>-Make your voice sound expressive and rhythmic</li> <li>-Increase or decrease your pace</li> <li>-Try it again without laughing</li> <li>-Double check your grammar</li> <li>- Your writing and drawing actually detract from the screencast.</li> </ul>	_____

					-Check voice levels	
<b>Technology</b>	<ul style="list-style-type: none"> <li>-Transitions are smooth, spaced correctly, and without noisy, dead space</li> <li>-Makes every effort to anticipate and filter out unwanted ambient noise</li> <li>-Sound remains at a consistent level throughout</li> <li>-Screencast length keeps the audience interested and engaged</li> </ul>	<ul style="list-style-type: none"> <li>-For the most part, transitions are smooth and spaced correctly; a minimal amount of noisy dead space can be heard</li> <li>-Some ambient noise</li> <li>-Sound level changes are acceptable</li> <li>-Screencast length keeps audience listening</li> </ul>	<ul style="list-style-type: none"> <li>-Transitions are smooth and spaced correctly.</li> <li>-Sound levels are adequate but could be improved.</li> <li>-Screencast length is adequate.</li> </ul>	<ul style="list-style-type: none"> <li>-Transitions need refinement.</li> <li>-Too noisy of a background. Try re-recording using a different mic or quieter room.</li> <li>-Some changes need to be made regarding sound levels between the music and voices.</li> <li>-Screencast almost completes the length requirement.</li> </ul>	<ul style="list-style-type: none"> <li>-Go back to the editing board to eliminate "cut offs"</li> <li>-Filter your background noise and record again</li> <li>-Check your sound levels</li> <li>-Trim down your piece to eliminate any unnecessary audio.</li> </ul>	<p>_____</p>